

169457

I, 3
11/20/02

**U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT**

I. HEADING

DATE: November 20, 2002

SUBJECT: Industrial Highway/Conservation Chemical Site, Gary, Lake County, IN

FROM: Steve Faryan, OSC, U.S. EPA, Region 5, ERB, RS1, Chicago, IL

TO: R. Worley, U.S. EPA, OSWER) (Worley.Ray@epa.gov)
 R. Karl, U.S. EPA, Chief ERB, Chicago, IL (karl.richard@epa.gov)
 W. Messenger, U.S. EPA, Chief ESS, Chicago, IL (messenger.william@epa.gov)
 A. Marouf, U.S. EPA, H&S, Chicago, IL (marouf.afif@epa.gov)
 C. Kawakami, U.S. EPA, ORC (Kawakami.Cynthia@epa.gov)
 V. Mullins, U.S. EPA, ESS (Mullins.Valerie@epa.gov)
 J. Maritote, U.S. EPA, ESS, Chicago, IL (maritote.john@epa.gov)
 B. Bolen, U.S. EPA, Chief RS 2, Chicago, IL (bolen.bill@epa.gov)
 B. Kush, U.S. EPA, Chief OPA, Chicago, IL (Kush.Beverly@epa.gov)
 B. Paulson, U.S. EPA, ORC (Paulson.Bob@epa.gov)
 USGC Case Officer, NPFC, Washington, DC (EPAPOLREPS@Ballston.uscg.mil)
 Paul Karas, Administrator, Gary Chicago Airport FAX; 219-949-0573

POLREP 30

II. BACKGROUND

CERCLA Site No: 05Y1
 CERCLIS ID Number: IND040888992
 Delivery Order Number: (OPA) 3141-25
 Delivery Order Number: (CERCLA)3141-9
 Response Authority: OPA/CERCLA
 OPA ID Number: FPN#: 098022
 OPA Account Number: Z590
 NPL Status: Not on NPL
 IDEM Notification: Yes
 Start Date: Sept 1998
 Completion Date: Pending

III. SITE INFORMATION

A. See POLREP 1-26 for previous U.S. EPA removal actions. U.S. EPA has re-mobilized to the Conservation Chemical/ Industrial Highway site at 6499 Industrial Highway in Gary, Indiana. U.S. EPA will install six recovery wells and a treatment building and system to collect an estimated 125,000 gallons of free product (crude oil) which lies beneath the former Berry Oil refinery and Conservation Chemical (CCCI) site. The installation and operation of the oil collection system will halt the release of oil to the unnamed ditch on the Gary/Chicago Airport which is a tributary to the Grand Calumet River. The CCCI site work was completed in 2002 under a PRP lead consent order which was overseen by U.S. EPA. Any CERCLA work conducted under this action will be billed to Delivery Order #9801-05-09. This will included on-site excavation, treatment and disposal of contaminated soil and support costs.

IV. RESPONSE INFORMATION

A. Situation

1. Planned Activities:

ERRS will begin placing sand in the base of the extraction well pipe trench. Plumbing for extraction wells will begin, starting at extraction well XW-1 and moving north towards the proposed location of the water treatment building. The water treatment building footers will be installed and work will begin on the building walls.

The permit for planned construction of the treatment building was received from the City of Gary and construction will begin on November 13. Planned construction will take 3-4 weeks to complete the installation of concrete pad and footers and the 20' by 20' treatment building.

START and ERRS will conduct a simulated pump test on extraction well XW-2. Flow rate and well recharge rate will be estimated. It will also be determined if free product is present in the well.

2. Completed activities:

Monday, November 11, 2002, ERRS continued to mobilize sand for extraction well pipe trench. ERRS and START conducted simulated pump tests on extraction wells XW-2 and XW-1. A total of 2,000 gallons of water were purged from XW-2 and 1,000 gallons from XW-1. The flow rate for XW-2 during pumping was approximately 14.1 gallons per minute (gpm) and for XW-1 was approximately 11.1 gpm. No petroleum product was observed in the purge water during pumping in either well. The recharge rate in XW-2 was approximately 2 hours for the groundwater to return to the static level of 13.12 feet bgs. No recharge rate was recorded for XW-1.

Tuesday, November 12, 2002, mobilization of sand for extraction well pipe trench was completed. ERRS completed the installation of pipe stub ups for water treatment building. ERRS continued to consolidate waste soil from site excavation activities in the staging area.

Wednesday, November 13, 2002, the construction contractor, Chester Construction (Chester), and the excavation contractor, Biesen Excavating (Biesen), mobilized to the site. Biesen completed excavation of the footer trench for the water treatment building. ERRS began placing sand bedding in base of the extraction well pipe trench and began installation of plumbing from extraction well XW-1 moving north towards XW-2, XW-3, and XW-4..

Thursday, November 14, 2002, Chester and the concrete sub-contractor Walker completed installation of the concrete footers for the water treatment building. The City of Gary Building Department inspected the building footers and gave approval to proceed. ERRS continued placing sand in the base of the extraction well trench and continued with the installation of the piping. ERRS completed installation of the stub ups at extraction well XW-1 and placement of pipe from XW-1 to XW-2. ERRS continued to consolidate waste soil generated during site excavation activities.

Friday, November 15, 2002, ERRS continued placing sand in base of extraction well pipe trench and continued to install of pipe from extraction well XW-2 to XW-3. Walker set forms and poured the concrete walls for the water treatment building. ERRS continued to consolidate waste soil generated during

site excavation activities.

Monday, November 18, ERRS subcontractor framed and poured the building walls and foundation. ERSS completed piping to XW-3. U.S. EPA met with Gary Chicago contractor Clean World Engineering to transfer data and reports on CCCI. Clean World Engineering is conducting a Phase II investigation of the property to the South and West of the site which is owned by a LaSalle bank Trust.

Tuesday, November 19, ERRS subcontractor prepared sub grade for concrete pad and building pad. ERRS contractor installed effluent pipe under building foundation. Piping was completed up to XW-4.

3. Enforcement:

Refer to Action Memorandum

B. Next Steps

ERRS will continue to place sand in base of extraction well trench and install piping. The construction on the proposed treatment building will continue. A concrete pad which measures 37' by 20' will be installed initially. A 20' by 20' treatment building will be constructed to house the water treatment equipment. This construction and installation will take 3-4 weeks to complete.

Lime kiln dust or fly ash will be utilized to chemically fixate the excavated soil which failed TCLP for lead. Disposal at Allied Waste has been approved once fixation and confirmation sampling is completed.

C. Key Issues

Once the treatment systems are up and operational, U.S. EPA will operate for 3 years only. At that time the Gary Chicago Airport will have assess whether they will continue operation of the oil collection systems.

V. COST INFORMATION (estimated as of November 15, 2002)

A CERCLA Funding (Conservation Chemical)

	<u>Total Cost To Date</u>	<u>Ceiling</u>
ERRS	\$ 401,778	\$ 690,000.00

B. OPA Funding (Industrial Highway)

	<u>Total Cost To Date</u>	<u>Ceiling</u>
ERRS	\$ 1,122,000	\$ 1,240,000.00
START	\$ 17,000	\$ 32,370.00
Total	\$ 1,139,000	\$ 1,962,370.00

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

VI. Waste Disposal

No waste has been disposed of as of November 15, 2002